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6	13	(((((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) and (magnesium)) and (drink or beverage)) not (((((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) and (magnesium)) and (drink or beverage))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 20:20

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14	7	((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) and (isoflavone or daidzein or genistein or glycine)	USPAT; US-PGPUB	2003/07/19 20:31
15	82	((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) and (vitamin near d or vitamin near k)	USPAT; US-PGPUB	2003/07/19 20:31
16	90	((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) not (((424/601 or 424/604 or 424/682 or 424/757 or 426/72 or 426/73 or 426/74 or 426/590 or 426/654 or 426/655 or 426/658 or 514/23 or 514/54 or 514/167 or 514/168 or 514/553 or 514/557 or 514/681 or 514/682 or 514/772 or 514/777 or 514/778 or 514/783 or 514/904 or 514/905 or 514/970) and calcium and ph and (inulin or fructooligo\$10 or fructo near oligosacc\$10)) and (magnesium))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 20:38
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L17: Entry 28 of 30

File: JPAB

Aug 5, 1981

PUB-NUM: JP356097248A

DOCUMENT-IDENTIFIER: JP 56097248 A

TITLE: CONJUGATED COMPOUND OF CALCIUM CITRATE AND CALCIUM MALATE AND ITS PREPARATION

PUBN-DATE: August 5, 1981

INVENTOR-INFORMATION:

NAME	COUNTRY
KAWAI, SADAO	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TANAKA SHIRO	

APPL-NUM: JP54173172

APPL-DATE: December 28, 1979

US-CL-CURRENT: 562/582

INT-CL (IPC): C07C 59/245; C07C 51/41

ABSTRACT:

PURPOSE: To obtain the titled conjugated compound useful for wide application of food fields, having improved water-soluble tendency of calcium citrate, coexisting slightly water-soluble calcium citrate with calcium malate.

CONSTITUTION: A substance comprising conjugated compound of water-soluble calcium malate, and calcium citrate, linked in a weight ratio of calcium malate : calcium citrate of at least 2:3, obtained by dissolving not more than 70wt% citric acid and not less than 30wt% malic acid in water, followed by adding calcium hydroxide or calcium carbonate to neutralize the solution, or by dissolving not more than 70wt% sodium citrate and not less than 30wt% sodium malate in water, adding calcium chloride in an amount equimolar with the solution, followed by separating the resulting crystalline deposit.

USE: Usable for foods requiring transparency, especially as nutritive calcium for drinks, rice, etc.

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PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 781756 EUROPATFULL ED 19970720 EW 199727 FS OS
TIEN Soluble concentrated frozen/refrigerated calcium preparation comprising
calcium citrate malate and process for producing the same.
TIDE Loesliches konzentriertes gefrorenes/gekuehltes Calciumzitrat-
Apfelsaeuresalz enthaltende Calcium-Zusammensetzung und Verfahren zu
ihrer Herstellung.
TIFR Preparation concentree soluble congelee/frigorifiee contenant du citrate
et du sel d'acide malingne et procede pour la preparation.
IN Tanaka, Shiro, 1501, Okitsunakacho, Shimizu-shi, JP;
Hamano, Yoshihiko, 7-15 Kamishimizuch, Shimizu-shi, JP
PA Tanaka, Shiro, 1501, Okitsunakacho, Shimizu-shi, JP;
Tanaka, Shoichi, 625-1, Okitsunakacho, Shimizu-shi, JP;
Tanaka, Miyoko, 1501, Okitsunakacho, Shimizu-shi, JP
SO Wila-EPZ-1997-H27-T1a
DS R DE; R FR; R GB; R IT
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG
PI EP 781756 A1 19970702
OD 19970702
AI EP 1996-308678 19961129
PRAI JP 1995-343226 19951228
IC ICM C07C059-265
ICS A23L001-29 A61K031-19 C07C059-245

L15 ANSWER 60 OF 329 EUROPATFULL COPYRIGHT 2002 WILA

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 788318 EUROPATFULL ED 20001231 EW 200051 FS PS
TIEN CONCENTRATED BIOAVAILABLE CALCIUM SOURCE.
TIDE KONZENTRIERTE, BIOVERFUEGBARE KALZIUMQUELLE.
TIFR SOURCE BIODISPONIBLE ET CONCENTREE DE CALCIUM.
IN ANDON, Mark, Benson, 1821 Augusta Boulevard, Fairfield, OH 45014, US
PA THE PROCTER & GAMBLE COMPANY, One Procter & Gamble Plaza, Cincinnati,
Ohio 45202, US
SO Wila-EPS-2000-H51-T3
DS R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IE; R IT; R LI;
R LU; R NL; R PT; R SE
PIT EPB1 EUROPÄISCHE PATENTSCHRIFT (Internationale Anmeldung)
PI EP 788318 B1 20001220
OD 19970813
AI EP 1993-923921 19931018
PRAI US 1992-964316 19921021
RLI WO 93-US9926 931018 INTAKZ
WO 9408472 940428 INTPNR
REP EP 244903 A EP 297681 A
EP 301653 A EP 323667 A
WO 88-03762 A WO 91-11118 A
WO 93-12672 A
IC ICM A23L001-304
ICS A23L001-236